

NEW PRODUCT RELEASE

FL SWITCH 1000

The next generation of unmanaged Ethernet

AUGUST 2020

NOT FOR CUSTOMER USE

Description

The FL SWITCH 1000 series is the next generation of unmanaged Ethernet switches designed for a wide range of network applications. With features built on over a decade of Phoenix Contact innovation in the industrial Ethernet market, the FL SWITCH 1000 series offers a sleek, compact form factor with gigabit speeds, automation protocol traffic prioritization, and flexible installation variations.

This decade of innovation in the Ethernet market has positioned Phoenix Contact as the market leader in unmanaged industrial Ethernet switches. With the FL SWITCH 1000 series, the most sought-after features have been consolidated into the new switch series including reduced overall size, a variety of mounting options, AC/DC power, and cost-effectiveness.

But wait! There's more! The FL SWITCH 1000 series will continue to expand, with additional variants including wide-temp, fiber optic and metal housings, and more, providing a broad portfolio of options for customers. This new series will drive demand, take competitive share, and will help our customers' applications become leaner and more efficient.

Features and benefits

- Ultra-slim design: No space? No problem! Find space in any control cabinet for vital Ethernet connectivity with the slimmest gigabit switches on the market. At only 22.5mm, they are approximately 50mm smaller than the average competitor (seen at actual size on the right).
- Unique mounting flexibility: 5 different mounting orientations cover just about every application both on the DIN rail or mounted directly on the machine.
- Automation Protocol Prioritization: Industrial communications are prioritized so that mission-critical packets are sent through the network first.



Certain restrictions apply. Go to www.phoenixcontact.com/LLW to review the terms and conditions.

Markets

- OEMs
- Industrial end users
- Building automation
- Vision systems
- Anyone that uses Ethernet in industrial applications

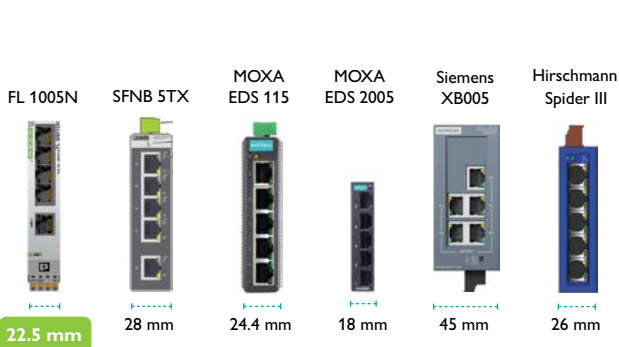
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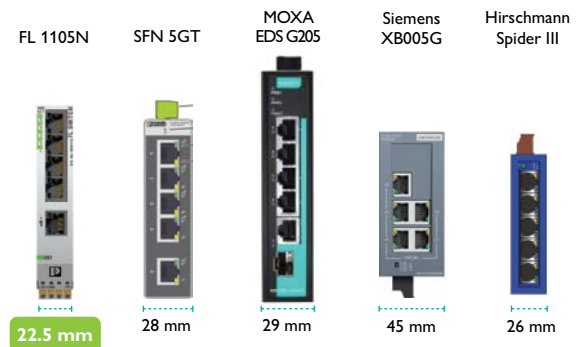
Ultra-slim design

The FL SWITCH 1000 series offers an all-new design, making the gigabit variants the slimmest on the market with the Fast Ethernet variants at up to 80 percent smaller than competitive options. Smaller form factor means greater space savings on the rail and cost savings in the cabinet. Overall, the FL SWITCH 1000 series offers best-in-class performance, advanced functionality, and a variety of speed and port-count options, all in an ultra-slim design.

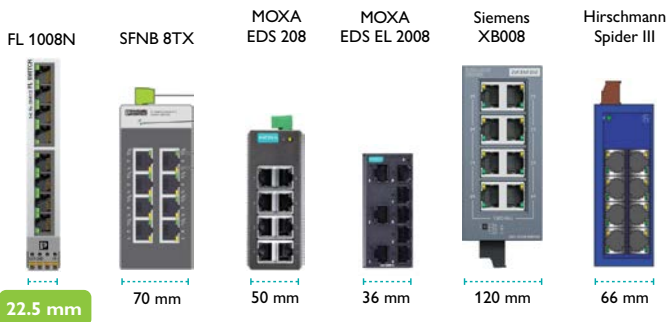
5 Port – Fast Ethernet (10/100)



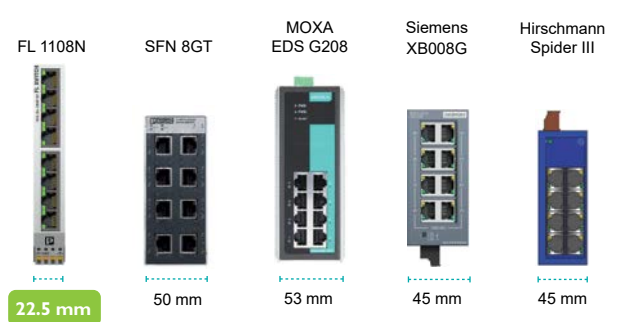
5 Port – Gigabit (10/100/1000)



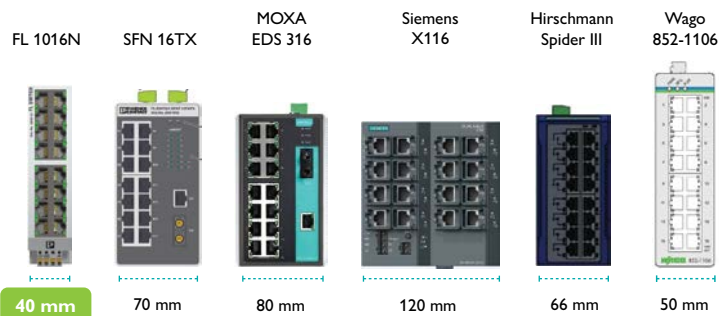
8 Port – Fast Ethernet (10/100)



8 Port – Gigabit (10/100/1000)



16 Port – Fast Ethernet (10/100)



16 Port – Gigabit (10/100/1000)

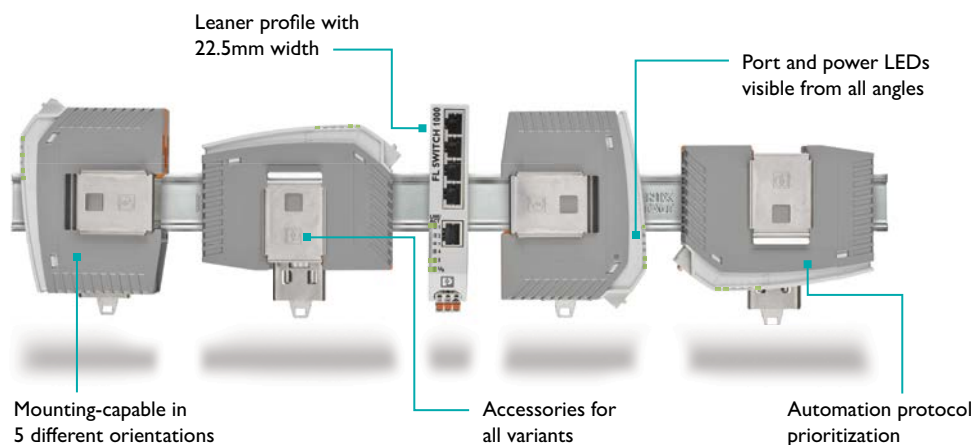


COMING
in **Q2 2021**

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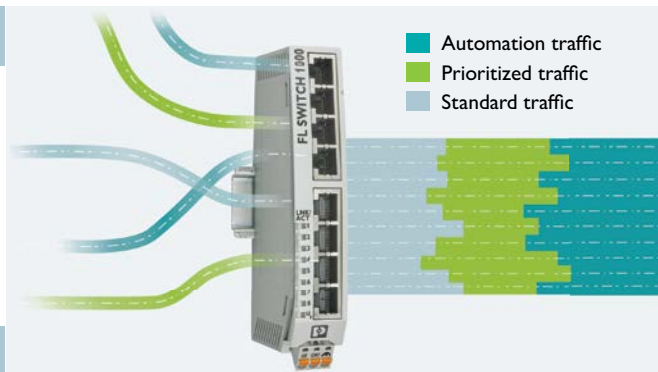
Unique mounting flexibility



While most industrial applications use traditional DIN rail-mounting, there are many situations where depth or cable direction within a cabinet is critical. The FL SWITCH 1000 series offers 5 different mounting options to cover just about every application. Regardless of how the switch is mounted, you can be informed of the switch status with diagnostic LEDs that are visible from any angle.

Automation Protocol Prioritization

With Automation Protocol Prioritization (APP), control traffic is prioritized to ensure reliable communication and stable applications, even on congested networks (see image right). APP supports the real-time properties of EtherNet/IP, PROFINET, and more, to stabilize the industrial network and increase plant availability.



Market-leading position

Phoenix Contact is the market leader in unmanaged Ethernet switches, according to an ARC 2018 study. This market-leading position is built on over a decade of innovation in the unmanaged Ethernet switch market.

With the new FL SWITCH 1000 series, not only will Phoenix Contact defend its market-leading position, it will also enhance market share within new segments and take competitively held business. To win over the competition, leverage the 1000 series' slimmness, flexible mounting options, cost-effectiveness, and lean especially on the LLW to win over competition. The following chart provides an overview of the key competitors. A more through competition analysis can be found in the FL SWITCH 1000 Competitive Insert.

	FL SWITCH 1000	Moxa EDS 2000	Siemens Scalance	Hirschmann Spider	Wago 852-ECO	Advantech EKI 2500	N-Tron 100	Harting Ha-VIS econ 3000	Rockwell Stratix 2000	Antaira LNX-series
Width (5-port)	22.5	18	45	26	23.4	25	38	25	29.6	30
EtherNet/IP prioritization	✓	✗	✗	✗	✗	✗	✗	✓	✗	✗
PROFINET prioritization	✓	✗	✓	✗	✓***	✗	✗	✓	✗	✗
24 V AC power (Building automation)	✓	✗	✓	✗	✗	✓**	✗	✗	✓	✗
Energy Efficient Ethernet (EEE)	✓	✗	✗	✗	✗	✗	✗	✓	✗	✗
SFX/SFP breadth	✓	✗	✗	1 variant (Gig)	✗	4 variants (Gig)	✗	4 variants (Gig)	✓	✓
Warranty	LLW	5-year	5-year	5-year	2-year	2-year	2-year	5-year	1-year*	5-year

* Can be extended to 5-year at a cost ** Available on different models *** Gigabit variants

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Part numbers

Part #s	Part type	Description	Price	Quantity
1085039	FL SWITCH 1005N	Unmanaged Ethernet switch with 5 RJ45 10/100Mbit ports	\$73	BB net QT = 250 BB net List = \$49.28*
1085256	FL SWITCH 1008N	Unmanaged Ethernet switch with 8 RJ45 10/100Mbit ports	\$113	BB net QT = 150 BB net List = \$76.29*
1085255	FL SWITCH 1016N	Unmanaged Ethernet switch with 16 RJ45 10/100Mbit ports	\$215	BB net QT = 75 BB net List = \$145.14*
1085254	FL SWITCH 1105N	Unmanaged gigabit Ethernet switch with 5 RJ45 10/100/1000Mbit ports	\$120	BB net QT = 100 BB net List = \$81.01*
1085243	FL SWITCH 1108N	Unmanaged gigabit Ethernet switch with 8 RJ45 10/100/1000Mbit ports	\$185	BB net QT = 100 BB net List = \$124.89*
1085485	FL DIN-RAIL ADAPTER 22.5	DIN rail-mount accessory for 22.5mm (5/8 port) variants, allows orientation in all 4 directions	\$18	No bulk buy
1085488	FL PANEL ADAPTER 22.5	Panel-mount accessory for 22.5mm (5/8 port) variants, allows orientation in all 4 directions	\$14	No bulk buy
1085484	FL DIN-RAIL ADAPTER 40	DIN rail-mount accessory for 40mm (16 port) variants, allows orientation in all 4 directions	\$18	No bulk buy
1085486	FL PANEL ADAPTER 40	Panel-mount accessory for 40mm (16 port) variants, allows orientation in all 4 directions	\$14	No bulk buy

*Freight allowed slightly higher

Promotional and support material

Trade shows:

TBD due to COVID 19 pandemic. Promotion will be done via virtual trade shows and events.

Marketing materials:

- Brochure Lit. #1230122-00
- FL Switch 1000 box wrap (1222179-00) and postcard
- Planned emailer

Website URL: www.phoenixcontact.com/switch1000



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INSPIRING INNOVATIONS